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(54) [Title of the Innovation*]

Apron type attachable/detachable spectacle frame

(55) [Abstract]

[Object]

To provide apron-type spectacle frame that can freely be attached and detached to and from the front frame, wherein the apron-type spectacles are fitted securely in place and can be used as regular spectacles when detached.

[Structure]

The end piece 5 is brazed to each side of the front frame 2, wherein the hook hole 9 and hook groove 17 are drilled continuously through the end piece 5 in vertical direction, whereas the leg 13 is fixed to each side of the front frame 1, and said leg contains the vertical part 15 and horizontal part 16 both of which include the ball 14, and the vertical part 15 is fixed at the bottom of the hook groove 17 by a spring, and at the same time, the horizontal part 16 is in direct contact with the upper surface of the block.

(Illustration)

* The terms "author" and "innovation" are used instead of "inventor" and "invention" to distinguish this technical solution from invention (i.e. Note)

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PATENT TRANSLATION

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[Claims]

[Claim 1] An apron-type spectacle frame that can be freely attached or detached to and from the front frame, wherein an end piece brazed to each side of said front frame has a hook-hole and a hook groove formed continuously in vertical direction, while a leg is fixed at each side of the apron-type frame having horizontal and vertical pieces that contain a large ball smaller than the hook hole but larger than the hook groove, with the vertical piece pushed against the bottom of the hook groove by a spring and the horizontal piece made in direct contact with the upper surface of the block.

[Claim 2] An apron-type spectacle frame that can be freely attached or detached to and from the front frame, wherein a fitting block is fixed to the end piece brazed to each side of said front frame, and said fitting block has a hook hole and a hook groove formed continuously in vertical direction, while each side of the apron-type frame has a fixed leg having horizontal and vertical pieces that contain large ball at the tip smaller than the hook hole and larger than the hook groove with the vertical piece pushed against the bottom of the hook groove and the horizontal piece in direct contact with the upper surface of the block.

[Claim 3] An apron-type spectacle frame that can freely be attached and detached to and from the front frame of spectacles to which lenses are connected by a connector without rims and an end piece is fixed to the outer edge of each lens with screws, wherein said end piece is fixed with a fitting block which has a hook hole and a hook groove drilled continuously in vertical direction, while each side of the apron-type frame has a fixed leg having horizontal and vertical pieces that contain large ball at the tip smaller than the hook hole and larger than the hook groove with the vertical piece pushed against the bottom of the hook groove and the horizontal piece in direct contact with the upper surface of the block.

[Brief description of Figures]

[Fig. 1] An example of apron-type spectacles of this invention.

[Fig. 2] A leg attached to the apron frame and an end piece to which said leg is hooked.

[Fig. 3] A leg hooked to the hook groove of the end piece.

[Fig. 4] Another example of apron-type spectacles of this invention.

[Fig. 5] Still another example of apron-type spectacles of this invention.

[Legend of parts]

1. Apron-type frame
2. Front frame
3. Rim
4. Connector
5. End piece
6. Nose pad
7. Joint
8. Temple
9. Hook hole
10. Rim
11. Connector
12. Rim lock
13. Leg
14. Ball
15. Vertical piece
16. Horizontal piece
17. Hook groove
18. Upper surface
19. End piece
20. Fitting block
21. Front frame
22. Half rim
23. Lens
24. Lens

[Fig. 3]

(Illustration)

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